

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/644,277A
Source: TEW16
Date Processed by STIC: 06/29/2006

ENTERED



IFW16

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,277A

DATE: 06/29/2006
TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT
Output Set: N:\CRF4\06292006\J644277A.raw

```

4 <110> APPLICANT: Gudas, Jean M.
5      Haak-Frendscho, Mary
6      Foord, Orit
7      Liang, Meina L.
8      Ahluwalia, Kiran
9      Bhakta, Sunil
11 <120> TITLE OF INVENTION: ANTIBODIES DIRECTED TO MONOCYTE
12      CHEMO-ATTRACTANT PROTEIN-1 (MCP-1) AND USES THEREOF
15 <130> FILE REFERENCE: ABXAZ.001A
17 <140> CURRENT APPLICATION NUMBER: 10/644,277A
18 <141> CURRENT FILING DATE: 2003-08-19
20 <150> PRIOR APPLICATION NUMBER: 60/404,802
21 <151> PRIOR FILING DATE: 2002-08-19
23 <160> NUMBER OF SEQ ID NOS: 150
25 <170> SOFTWARE: FastSEQ for Windows Version 4.0
27 <210> SEQ ID NO: 1
28 <211> LENGTH: 1335
29 <212> TYPE: DNA
30 <213> ORGANISM: Homosapien
32 <400> SEQUENCE: 1
33 caggtccagc tggcacatc tggggctgag gtgaagaagc ctggggcctc agtgaaggc 60
34 tcctgcagg tttccggata caccctcaact gaattatcca tgcactgggt ggcacaggct 120
35 cctggaaatg ggcttgagtg gatggggaggt tttgatcctg aagatggtga gacaatctac 180
36 gcacagaggt tccagggcag agtcgtcatg accgaggacc catctacaga cacaggctac 240
37 atggagctga gcagccctgatc acggccgtgt attactgtgc aaccaacgag 300
38 ttttggatgt gttattttga ctactggggc cagggAACCC tggtcaccgt ctccctcagcc 360
39 tccaccaagg gcccatcggt ctccccctg gcgcctgtct ccaggagcac ctccgagagc 420
40 acagcggccc tgggctgcct ggtcaaggac tactttcccg aaccgggtgac ggtgtcggtg 480
41 aactcaggcg ctctgaccag cggcgtgcac accttcccag ctgtcctaca gtcctcagga 540
42 ctctactccc tcagcagcgt ggtgaccgtg ccctccagca acttcggcac ccagacacctac 600
43 acctgcaacg tagatcacaa gcccagcaac accaagggtgg acaagacagt tgagcgc当地 660
44 tggatgtcg agtgcacacc gtgcccagca ccacctgtgg caggaccgtc agtcttcctc 720
45 ttccccccaa aaccaagga caccctcatg atctcccgga cccctgaggt cacgtgcgtg 780
46 gtgggtggacg tgagccacga agaccccgag gtccagttca actggatcgatg ggacggcgtg 840
47 gaggtgcata atgccaagac aaagccacgg gaggagcgt tcaacagcac gttccgtgtg 900
48 gtcagcgtcc tcaccgttgt gcaccaggac tggctgaacg gcaaggagta caagtgc当地 960
49 gtctccaaca aaggccccc agccccatc gagaaaaacca tctccaaaac caaaggccag 1020
50 ccccgagaac cacagggtgtt caccctgccc ccattccggg aggagatgac caagaaccag 1080
51 gtcagcctga cctgcctgtt caaaggcttc tacccagcg acatcgccgt ggagtggag 1140
52 agcaatgggc agccggagaa caactacaag accacaccc tcatgctgaa ctccgacggc 1200
53 tccttcttcc tctacagcaa gtcaccgtg gacaagagca ggtggcagca gggaaacgtc 1260
54 ttcttcatgct ccgtatgca tgaggctctg cacaaccact acacgc当地 gagcctctcc 1320
55 ctgtctccgg gtaaa                                         1335

```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,277A

DATE: 06/29/2006
TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT
Output Set: N:\CRF4\06292006\J644277A.raw

57 <210> SEQ ID NO: 2
 58 <211> LENGTH: 445
 59 <212> TYPE: PRT
 60 <213> ORGANISM: Homosapien
 62 <400> SEQUENCE: 2
 63 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
 64 1 5 10 15
 65 Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu
 66 20 25 30
 67 Ser Met His Trp Val Arg Gln Ala Pro Gly Asn Gly Leu Glu Trp Met
 68 35 40 45
 69 Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Arg Phe
 70 50 55 60
 71 Gln Gly Arg Val Val Met Thr Glu Asp Pro Ser Thr Asp Thr Ala Tyr
 72 65 70 75 80
 73 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
 74 85 90 95
 75 Ala Thr Asn Glu Phe Trp Ser Gly Tyr Phe Asp Tyr Trp Gly Gln Gly
 76 100 105 110
 77 Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
 78 115 120 125
 79 Pro Leu Ala Pro Cys Ser Arg Ser Thr Ser Glu Ser Thr Ala Ala Leu
 80 130 135 140
 81 Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val Ser Trp
 82 145 150 155 160
 83 Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala Val Leu
 84 165 170 175
 85 Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val Pro Ser
 86 180 185 190
 87 Ser Asn Phe Gly Thr Gln Thr Tyr Thr Cys Asn Val Asp His Lys Pro
 88 195 200 205
 89 Ser Asn Thr Lys Val Asp Lys Thr Val Glu Arg Lys Cys Cys Val Glu
 90 210 215 220
 91 Cys Pro Pro Cys Pro Ala Pro Pro Val Ala Gly Pro Ser Val Phe Leu
 92 225 230 235 240
 93 Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
 94 245 250 255
 95 Val Thr Cys Val Val Val Asp Val Ser His Glu Asp Pro Glu Val Gln
 96 260 265 270
 97 Phe Asn Trp Tyr Val Asp Gly Val Glu Val His Asn Ala Lys Thr Lys
 98 275 280 285
 99 Pro Arg Glu Glu Gln Phe Asn Ser Thr Phe Arg Val Val Ser Val Leu
 100 290 295 300
 101 Thr Val Val His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys
 102 305 310 315 320
 103 Val Ser Asn Lys Gly Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys
 104 325 330 335
 105 Thr Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
 106 340 345 350

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,277A

DATE: 06/29/2006
TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT
Output Set: N:\CRF4\06292006\J644277A.raw

107 Arg Glu Glu Met Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
108 355 360 365
109 Gly Phe Tyr Pro Ser Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln
110 370 375 380
111 Pro Glu Asn Asn Tyr Lys Thr Thr Pro Pro Met Leu Asp Ser Asp Gly
112 385 390 395 400
113 Ser Phe Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
114 405 410 415
115 Gln Gly Asn Val Phe Ser Cys Ser Val Met His Glu Ala Leu His Asn
116 420 425 430
117 His Tyr Thr Gln Lys Ser Leu Ser Leu Ser Pro Gly Lys
118 435 440 445
121 <210> SEQ ID NO: 3
122 <211> LENGTH: 660
123 <212> TYPE: DNA
124 <213> ORGANISM: Homosapien
126 <400> SEQUENCE: 3
127 gacatcgta tgaccaggc tccagactcc ctggctatgt ctctggcga gagggccacc 60
128 atcaactgta agtccagcca gagtgttta tacagctcca acaataagaa ctacttagtt 120
129 tggtaaccagg agaaaccagg acagcctcct aaactgctca ttactggc atctatccgg 180
130 gaatccgggg tccctgaccg attcagttcc agcgggtctg agacagattt cactctcacc 240
131 atcagcagcc tgcaggctga agatgtggca gtttattact gtcagcaata ttttagtagt 300
132 ccgtggacgt tcggccaagg gaccaagggtg gaaatcaaacc gaaactgtggc tgaccatct 360
133 gtcttcatct tcccggccatc tgatgagcag ttgaaatctg gaaactgcctc tgggtgtgc 420
134 ctgctgaata acttcttatcc cagagaggcc aaagtagt ggaaggtgga taacggccctc 480
135 caatccggta actcccaaggag gagtgtcaca gagcaggaca gcaaggacag cactacagc 540
136 ctcagcagca ccctgacgct gagcaaagca gactacgaga aacacaaaat ctacgcctgc 600
137 gaagtcaccc atcaggccct gagctcgccc gtcacaaaaga gcttcaacag gggagagtgt 660
140 <210> SEQ ID NO: 4
141 <211> LENGTH: 220
142 <212> TYPE: PRT
143 <213> ORGANISM: Homosapien
145 <400> SEQUENCE: 4
146 Asp Ile Val Met Thr Gln Ser Pro Asp Ser Leu Ala Met Ser Leu Gly
147 1 5 10 15
148 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
149 20 25 30
150 Ser Asn Asn Lys Asn Tyr Leu Val Trp Tyr Gln Gln Lys Pro Gly Gln
151 35 40 45
152 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Ile Arg Glu Ser Gly Val
153 50 55 60
154 Pro Asp Arg Phe Ser Ser Gly Ser Glu Thr Asp Phe Thr Leu Thr
155 65 70 75 80
156 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
157 85 90 95
158 Tyr Phe Ser Ser Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
159 100 105 110
160 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
161 115 120 125

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,277A

DATE: 06/29/2006
TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT
Output Set: N:\CRF4\06292006\J644277A.raw

162 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
163 130 135 140
164 Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu
165 145 150 155 160
166 Gln Ser Gly Asn Ser Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp
167 165 170 175
168 Ser Thr Tyr Ser Leu Ser Ser Thr Leu Thr Leu Ser Lys Ala Asp Tyr
169 180 185 190
170 Glu Lys His Lys Val Tyr Ala Cys Glu Val Thr His Gln Gly Leu Ser
171 195 200 205
172 Ser Pro Val Thr Lys Ser Phe Asn Arg Gly Glu Cys
173 210 215 220
176 <210> SEQ ID NO: 5
177 <211> LENGTH: 475
178 <212> TYPE: DNA
179 <213> ORGANISM: Homosapien
181 <400> SEQUENCE: 5
182 caggtccagg tggtacagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggc 60
183 tcctgcaagg tttccggata caaccctcaact gaattatcca tgcactgggt gcgacaggct 120
184 cctggaaaag gycttgagtg gatgggaggt tttgatcctg aagatggta aacaatctac 180
185 gcacagaagt tccagggcag agtcaccatg accgaggaca catctacaga cacagctac 240
186 atggagctga gcagcctgag atctgaggac acggccgtgt attattgtgc aaccaacgaa 300
187 ttttggagtg gttatttga ctactgggc caggaaccc tggtcaccgt ctccctcagcc 360
188 tccaccaagg gcccattcggt cttccccctg gcgcctgct ccaggagcac tacttcccc 420
189 ggctgtcaca cttccccc tgcctacag tcctcaggac tctactccct cagca 475
191 <210> SEQ ID NO: 6
192 <211> LENGTH: 158
193 <212> TYPE: PRT
194 <213> ORGANISM: Homosapien
196 <400> SEQUENCE: 6
197 Gln Val Gln Leu Val Gln Ser Gly Ala Glu Val Lys Lys Pro Gly Ala
198 1 5 10 15
199 Ser Val Lys Val Ser Cys Lys Val Ser Gly Tyr Thr Leu Thr Glu Leu
200 20 25 30
201 Ser Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Met
202 35 40 45
203 Gly Gly Phe Asp Pro Glu Asp Gly Glu Thr Ile Tyr Ala Gln Lys Phe
204 50 55 60
205 Gln Gly Arg Val Thr Met Thr Glu Asp Thr Ser Thr Asp Thr Ala Tyr
206 65 70 75 80
207 Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
208 85 90 95
209 Ala Thr Asn Glu Phe Trp Ser Gly Tyr Phe Asp Tyr Trp Gly Gln Gly
210 100 105 110
211 Thr Leu Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser Val Phe
212 115 120 125
213 Pro Leu Ala Pro Cys Ser Arg Ser Thr Thr Ser Pro Gly Val His Thr
214 130 135 140
215 Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/644,277A

DATE: 06/29/2006
TIME: 11:22:14

Input Set : A:\ABXAZ.001A.TXT
Output Set: N:\CRF4\06292006\J644277A.raw

```

216 145          150          155
219 <210> SEQ ID NO: 7
220 <211> LENGTH: 477
221 <212> TYPE: DNA
222 <213> ORGANISM: Homosapien
224 <400> SEQUENCE: 7
225 gagatcgtga tgaccaggc tccagcctcc ctggctgagt ctctggcgaa gaggggccacc 60
226 atcaatttgcgttgttca agtccagcca gagtgttta tataacttca acaataagaa ctacttagtt 120
227 tggtaaccaggc agaaacttagg acagccccctt aagctgctca ttactggc atctacccgg 180
228 gaatccgggg tccctgaccg attcagtggc agcgggtctg ggacagattt cactctcacc 240
229 atcagcagcc tgcaggctga agatgtggca gtttattact gtcaacaata ttatcgtagt 300
230 ccgtggacgt tcggccaagg gaccaagggtt gaaatcaaac gaaactgtggc tgcaccatct 360
231 gtcttcatct tcccgcattc tgatgagcag ttgaaatctg gaaactgcctc tgggtgtgc 420
232 ctgctgaata acttotatcc cagagaggcc aaagtacagt ggaagggttga taacgcc 477
234 <210> SEQ ID NO: 8
235 <211> LENGTH: 159
236 <212> TYPE: PRT
237 <213> ORGANISM: Homosapien
239 <400> SEQUENCE: 8
240 Asp Ile Val Met Thr Gln Ser Pro Ala Ser Leu Ala Glu Ser Leu Gly
241 1           5           10          15
242 Glu Arg Ala Thr Ile Asn Cys Lys Ser Ser Gln Ser Val Leu Tyr Ser
243           20          25          30
244 Ser Asn Asn Lys Asn Tyr Leu Val Trp Tyr Gln Gln Lys Leu Gly Gln
245           35          40          45
246 Pro Pro Lys Leu Leu Ile Tyr Trp Ala Ser Thr Arg Glu Ser Gly Val
247           50          55          60
248 Pro Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr
249 65           70          75          80
250 Ile Ser Ser Leu Gln Ala Glu Asp Val Ala Val Tyr Tyr Cys Gln Gln
251           85          90          95
252 Tyr Tyr Arg Ser Pro Trp Thr Phe Gly Gln Gly Thr Lys Val Glu Ile
253           100         105         110
254 Lys Arg Thr Val Ala Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp
255           115         120         125
256 Glu Gln Leu Lys Ser Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn
257           130         135         140
258 Phe Tyr Pro Arg Glu Ala Lys Val Gln Trp Lys Val Asp Asn Ala
259 145           150         155
262 <210> SEQ ID NO: 9
263 <211> LENGTH: 556
264 <212> TYPE: PRT
265 <213> ORGANISM: Homosapien
267 <400> SEQUENCE: 9
268 Cys Ala Gly Gly Thr Cys Cys Ala Gly Cys Thr Gly Gly Thr Ala Cys
269 1           5           10          15
270 Ala Gly Thr Cys Thr Gly Gly Gly Cys Thr Gly Ala Gly Gly Thr
271           20          25          30
272 Gly Ala Ala Gly Ala Ala Gly Cys Cys Thr Gly Gly Gly Cys Cys

```

VERIFICATION SUMMARY
PATENT APPLICATION: US/10/644,277A

DATE: 06/29/2006
TIME: 11:22:15

Input Set : A:\ABXAZ.001A.TXT
Output Set: N:\CRF4\06292006\J644277A.raw